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## RAW SEQUENCE LISTING

DATE: 10/05/2001

PATENT APPLICATION: US/09/582,926

TIME: 15:45:51

Input Set : A:\2500us0p.ST25.txt

Output Set: N:\CRF3\10052001\I582926.raw

3 <110> APPLICANT: SAIKAWA, Akira  
 4 IGARI, Yasutaka  
 5 HATA, Yoshio  
 6 YAMAMOTO, Kazumichi  
 8 <120> TITLE OF INVENTION: Sustained-Release Composition, Method of its Preparation and  
 Use Thereof  
 10 <130> FILE REFERENCE: 2500USOP  
 12 <140> CURRENT APPLICATION NUMBER: 09/582,926  
 13 <141> CURRENT FILING DATE: 2000-07-05  
 15 <150> PRIOR APPLICATION NUMBER: PCT/JP99/00086  
 16 <151> PRIOR FILING DATE: 1999-01-13  
 18 <150> PRIOR APPLICATION NUMBER: JP 10-6412  
 19 <151> PRIOR FILING DATE: 1998-01-16  
 21 <160> NUMBER OF SEQ ID NOS: 5  
 23 <170> SOFTWARE: PatentIn version 3.0  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 11  
 27 <212> TYPE: PRT  
 C--> 28 <213> ORGANISM: artificial ✓  
 30 <220> FEATURE:  
 31 <223> OTHER INFORMATION: LH-RH derived peptide ✓  
 33 <220> FEATURE:  
 34 <221> NAME/KEY: MOD\_RES  
 35 <222> LOCATION: (1)..(1)  
 36 <223> OTHER INFORMATION: X is 5-oxo carboxy terminal.  
 39 <220> FEATURE:  
 40 <221> NAME/KEY: MOD\_RES  
 41 <222> LOCATION: (7)..(7)  
 42 <223> OTHER INFORMATION: X is "Y" which can be DLeu, DALa, DTrp, DSer(tbut), D2Nal or  
 DHis  
 43 (ImBzl  
 46 <220> FEATURE:  
 47 <221> NAME/KEY: MOD\_RES  
 48 <222> LOCATION: (11)..(11)  
 49 <223> OTHER INFORMATION: X is "Z" which can be NH-C2H5 or Gly-NH2  
 52 <400> SEQUENCE: 1  
 W--> 54 Xaa Pro His Trp Ser Tyr Xaa Leu Arg Pro Xaa ✓  
 55 1 5 10  
 57 <210> SEQ ID NO: 2  
 58 <211> LENGTH: 11  
 59 <212> TYPE: PRT  
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 62 <220> FEATURE:  
 63 <223> OTHER INFORMATION: LH-RH antagonist derivatives ✓  
 65 <220> FEATURE:  
 66 <221> NAME/KEY: MOD\_RES  
 67 <222> LOCATION: (1)..(1)  
 68 <223> OTHER INFORMATION: X is "X" which can be N(4H2-furoyl)Gly or NAc

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71 <220> FEATURE:

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72 <221> NAME/KEY: MOD_RES
73 <222> LOCATION: (2)..(2)
74 <223> OTHER INFORMATION: X is D2Nal
77 <220> FEATURE:
78 <221> NAME/KEY: MOD_RES
79 <222> LOCATION: (3)..(3)
80 <223> OTHER INFORMATION: X is D4ClPhe
83 <220> FEATURE:
84 <221> NAME/KEY: MOD_RES
85 <222> LOCATION: (4)..(4)
86 <223> OTHER INFORMATION: X is D3Pal
89 <220> FEATURE:
90 <221> NAME/KEY: MOD_RES
91 <222> LOCATION: (6)..(6)
92 <223> OTHER INFORMATION: X is "A" which can be NMeTyr, Tyr, Aph(Atz) or NMeAph(Atz)
95 <220> FEATURE:
96 <221> NAME/KEY: MOD_RES
97 <222> LOCATION: (7)..(7)
98 <223> OTHER INFORMATION: X is "B" which can be DLys(Nic), DCit, DLys(AzaGlyNic), DLys
(AzaG
99      lyFur), DhArg(Et2), DAph(Atz), or DhC
102 <220> FEATURE:
103 <221> NAME/KEY: MOD_RES
104 <222> LOCATION: (9)..(9)
105 <223> OTHER INFORMATION: X is "C" which can be Lys(Nisp), Arg or HArg(Et2)
108 <220> FEATURE:
109 <221> NAME/KEY: MOD_RES
110 <222> LOCATION: (11)..(11)
111 <223> OTHER INFORMATION: X is DALaNH2
114 <400> SEQUENCE: 2
W--> 116 Xaa Xaa Xaa Xaa Ser Xaa Xaa Leu Xaa Pro Xaa
117 1          5          10
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121 <212> TYPE: PRT
C--> 122 <213> ORGANISM: artificial ✓
124 <220> FEATURE:
125 <223> OTHER INFORMATION: LH-RH derived peptides ✓
127 <220> FEATURE:
128 <221> NAME/KEY: MOD_RES
129 <222> LOCATION: (1)..(1)
130 <223> OTHER INFORMATION: X is 5-oxo carboxy terminal
133 <220> FEATURE:
134 <221> NAME/KEY: MOD_RES
135 <222> LOCATION: (7)..(7)
136 <223> OTHER INFORMATION: X is DLeu
139 <220> FEATURE:
140 <221> NAME/KEY: MOD_RES
141 <222> LOCATION: (10)..(10)
142 <223> OTHER INFORMATION: X is NH-C2H5 amino terminal

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148 1 5 10
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155 <220> FEATURE:
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159 <221> NAME/KEY: MOD_RES
160 <222> LOCATION: (1)..(1)
161 <223> OTHER INFORMATION: X is N-(S)-tetrahydrofur-2-oyl-
164 <220> FEATURE:
165 <221> NAME/KEY: MOD_RES
166 <222> LOCATION: (3)..(3)
167 <223> OTHER INFORMATION: X is D2Nal
170 <220> FEATURE:
171 <221> NAME/KEY: MOD_RES
172 <222> LOCATION: (4)..(4)
173 <223> OTHER INFORMATION: X is D4ClPhe
176 <220> FEATURE:
177 <221> NAME/KEY: MOD_RES
178 <222> LOCATION: (5)..(5)
179 <223> OTHER INFORMATION: X is D3Pal
182 <220> FEATURE:
183 <221> NAME/KEY: MOD_RES
184 <222> LOCATION: (7)..(7)
185 <223> OTHER INFORMATION: X is NMeTyr
188 <220> FEATURE:
189 <221> NAME/KEY: MOD_RES
190 <222> LOCATION: (8)..(8)
191 <223> OTHER INFORMATION: X is DLys(Nic)
194 <220> FEATURE:
195 <221> NAME/KEY: MOD_RES
196 <222> LOCATION: (10)..(10)
197 <223> OTHER INFORMATION: X is Lys(Nisp)
200 <220> FEATURE:
201 <221> NAME/KEY: MOD_RES
202 <222> LOCATION: (12)..(12)
203 <223> OTHER INFORMATION: X is DALaNH2
206 <400> SEQUENCE: 4
W--> 208 Xaa Gly Xaa Xaa Xaa Ser Xaa Xaa Leu Xaa Pro Xaa
209 1 5 10
211 <210> SEQ ID NO: 5
212 <211> LENGTH: 11
213 <212> TYPE: PRT
C--> 214 <213> ORGANISM: artificial
216 <220> FEATURE:

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Input Set : A:\2500us0p.ST25.txt

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217 <223> OTHER INFORMATION: LH-RH derived peptides ✓  
219 <220> FEATURE:  
220 <221> NAME/KEY: MOD\_RES  
221 <222> LOCATION: (1)..(1)  
222 <223> OTHER INFORMATION: X is 5-oxo carboxy terminal  
225 <220> FEATURE:  
226 <221> NAME/KEY: MOD\_RES  
227 <222> LOCATION: (7)..(7)  
228 <223> OTHER INFORMATION: X is DLeu  
231 <220> FEATURE:  
232 <221> NAME/KEY: MOD\_RES  
233 <222> LOCATION: (11)..(11)  
234 <223> OTHER INFORMATION: X is NH-C2H5 amino terminal  
237 <400> SEQUENCE: 5  
W--> 239 Xaa Pro His Trp Ser Tyr Xaa Leu Arg Pro Xaa ✓  
240 1 5 10

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/582,926

DATE: 10/05/2001

TIME: 15:45:52

Input Set : A:\2500us0p.ST25.txt

Output Set: N:\CRF3\10052001\I582926.raw

L:28 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:60 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:122 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:153 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:214 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5